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ABSTRACT OF THE DISCLOSURE

5 The present invention is for a charged dextran,
preferably dextran sulfate, as an improved mucoactive agent which
can be used to improve viscoelasticity and clearance of respiratory
tract mucus. The charged dextran can be used in the treatment of
animals with impaired mucus clearance, mucus retention and/or mucus
hypersecretion, such as cystic fibrosis, chronic bronchitis,
10 bronchiectasis, bronchiolitis and bronchial asthma. Related methods of
treatment and pharmaceutical compositions, particularly aerosolized
dextran sulfate compositions are encompassed within the scope of the
invention.

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